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	DB=P	GPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=ADJ	
ŧ.	L59	L14 and (signature\$ adj4 generator\$) and cache	0
P4:	L58	L14 and signature\$ adj4 generator\$ and cache	0
<i>**</i>	L57	cache same (url or unisersal resource locator) same coherency	4
	L56	(cache same (url or unisersal resource locator) same coherency).clm.	0
	L55	(cache same (url or unisersal resource locator) same cohenrency).clm.	0
	L54	(log\$ same (url or unisersal resource locator) same cohenrency).clm.	0
β.*	L53	(signature same log\$ same (url or unisersal resource locator) same cohenrency).clm.	
	L52	L50 and (signature adj5 cache)	[′] 1
	L51	L50 and (signature adj3 generator)	0
	L50	L49 and 709/2\$\$.ccls.	318
	L49	L48 and log\$ same (url or unisersal resource locator)	839
$\frac{\mathbf{K}^{-1}}{\mathbf{K}_{1}}$	L48	(determin\$ or locat\$3) same (allow\$4 or enabl\$) same (storage or memory or cache) and (cohenrency or stick\$ or order\$)	122294
.	L47	generat\$4 same (log\$4 same tag\$4) and (cohenrency near3 manag\$5)	0
	L46	generat\$4 same (log\$4 and cache same tag\$4) and (cohenrency near3 manag\$5)	0
	L45	generat\$4 same (log\$4 and cache tag\$4) and (cohenrency near3 manag\$5)	0
\$\$F	L44	L22 and (cohenrency near3 manag\$5)	0
	L43	L33 and signature\$ adj4 generator\$	0
19 19	L42	L34 and (705/8).ccls.	0
8	L41	L34 and 713/16\$.ccls.	0
Dis.	L40	L34 and (713/166).ccls.	0
	L39	L34 and (713/1666).ccls.	0
₿₽	L38	L34 and (713/163).ccls.	0
	L37	L34 and 709/2\$\$.ccls.	3
	L36	L34 and (709/231).ccls.	0
R ^{and}	L35	L34 and (709/215).ccls.	0
	L34	L33 and log\$ and signature\$	6
<u>(</u>)	L33	(generat\$4 same log\$4) and (COHERENCY same server) same cache and tag\$4	. 39

DB=USPT; PLUR=YES; OP=ADJ

8 .	L32	(generat\$4 same log\$4) and (COHERENCY same server) same cache and tag\$4	11
	L31	(generat\$4 same log\$4) and (COHERENCY adj2 server) same cache and tag\$4	0
le*	L30	generat\$4 same log\$4 and (COHERENCY adj2 server) same cache and tag\$4	0
<i>*</i> *	L29	generat\$4 same (log\$4 and tag\$4) and (COHERENCY adj2 server) same cache	0
	DB=J	PAB; PLUR=YES; OP=ADJ	
	L28	generat\$4 same (log\$4 and tag\$4) and (COHERENCY adj2 server) same cache	0
	L27	generat\$4 same (log\$4 and cache and tag\$4) and (COHERENCY adj2 server) same cache	0
	L26	L25	0
	L25	generat\$4 same (log\$4 and cache tag\$4) and (COHERENCY adj2 server) same cache	0
	DB=U	ISOC; PLUR=YES; OP=ADJ	
	L24	generat\$4 same (log\$4 and cache tag\$4) and (COHERENCY adj2 server) same cache	0
	DB=P	GPB; PLUR=YES; OP=ADJ	
	L23	generat\$4 same (log\$4 and cache tag\$4) and (COHERENCY adj2 server) same cache	0
	L22	generat\$4 same (log\$4 and cache tag\$4)	65
	DB=T	DBD; PLUR=YES; OP=ADJ	
	L21	generat\$4 same (log\$4 and cache tag\$4)	1
	DB=L	OWPI; PLUR=YES; OP=ADJ	
S	L20	generat\$4 same (log\$4 and cache tag\$4)	9
	DB=U	ISPT; PLUR=YES; OP=ADJ	
	L19	L14 and 709/2\$\$.ccls.	6
*	L18	(digital adj4 signature) and L14 and updat\$4	2
	L17	(signature adj4 digital) and L14 and updat\$4	0
	L16	(signature adj2 digital) and L14	0
57.	L15	(signature adj2 digital) and L14 and updat\$4	0
	L14	generat\$4 same (log\$4 and cache tag\$4)	341
<u>8</u> *	L13	tag\$4 and L12	0
	L12	(COHERENCY adj2 server) same cache same updat\$4 and web and (url or universal resource locator)	5
	L11	(COHERENCY adj2 server) same cache same updat\$4 and web	5
	L10	web and L9	0
	L9	signature\$ and L8	2
	L8	(COHERENCY adj2 server) same cache same updat\$4	7

· L7	(determin\$ or locat\$3) same allow\$4 same sav\$4 same (storage or memory or cache) same server same mobile	1
L6	(determin\$ or locat\$3) same allow\$4 same (storage or memory or cache) same server same mobile	48
L5	(set\$4 same right) same (storage or memory or cache) same server same mobile	4
L4	(propriety-right) same (storage or memory or cache) same server	0
L3	(propriety adj2 right) same (storage or memory or cache) same server	0
L2	(propriety adj right) same (storage or memory or cache) same server	0
L1	(propriety adj right) same (storage or memory or cache) same server same mobile	0

END OF SEARCH HISTORY

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8/1/05

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31 re web	ILT LIST sults found in the Worldwide database for: and caching and method in the title Ilts are sorted by date of upload in database)	
1	WEB CACHING DEVICE, WEB CACHING METH PROGRAM	IOD, AND WEB CACHING
	Inventor: ISHIHARA SHINYA; KANBAYASHI TAKASHI	Applicant: NIPPON TELEGRAPH & TELEPHONE
	EC:	IPC: G06F12/00; G06F13/00
	Publication info: JP2005063192 - 2005-03-10	
2	Method and apparatus for supporting object ca presentation architecture	
	Inventor: YEE SUNNY K (US); JOHNSON PETER CHRISTOPHER (US) EC:	Applicant: IPC: G06F15/00
	 Publication info: US2005050455 - 2005-03-03	
3	System and method for caching type informati	on for un-typed web
3	service requests	on for an-typed web
	Inventor: KUNISETTY SUNIL (US)	Applicant: ORACLE INT CORP (US)
	EC: G06F17/30W9C; H04L29/06	IPC: G06F15/16
	Publication info: US2004221008 - 2004-11-04	
4	Predictive branching and caching method and applications	apparatus for web
	Inventor: GU JUN (US); KERR JOHN (US)	Applicant: HEWLETT PACKARD DEVELOPMENT CO (US)
	EC: G06F17/30W9C	IPC: G06F17/30
	Publication info: EP1418511 - 2004-05-12	
5	Dynamic web page caching system and metho Inventor: CORCORAN MICHAEL (CA)	d Applicant:
	EC: G06F17/30W9C	IPC: G06F15/16
	Publication info: US2003120752 - 2003-06-26	
6	METHOD, APPARATUS, AND SYSTEM FOR IM CACHING IN A FRAMEWORK TO SUPPORT W APPLICATIONS	
	Inventor: MUKUNDAN ANIL (US); COKER JOHN (US); (+1)	Applicant: SIEBEL SYSTEMS INC (US); MUKUNDAN ANIL (US); (+2)
	EC:	IPC: G06F9/44
	Publication info: W003029968 - 2003-04-10	
7	METHOD AND ARCHITECTURE FOR SERVING OBJECTS ON THE MODERN INTERNET	AND CACHING WEB
	Inventor: MCGREGOR GREGORY M (US); ZULLO JEREMY (US); (+1)	Applicant: AZOTH TECHNOLOGIES INC (US); MCGREGOR GREGORY M (US); (+2)
	EC: G06F17/30W9C; H04L29/06; (+1)	IPC: G06F
	Publication info: W00242874 - 2002-05-30	
8	METHOD AND SYSTEM FOR CACHING SECUR Inventor: CHAWLA RAJEEV (US); PANAGIOTIS TSIRIGOTIS (US); (+1)	Applicant: INGRIAN SYSTEMS INC (US); CHAWLA RAJEEV (US); (+2)
	EC: H04L29/06C6B; H04L29/06C6G	IPC: H04L29/06
	Publication info: W003007575 - 2003-01-23	
9	Method and system for web caching based on Inventor: BEYDA WILLIAM J (US)	predictive usage Applicant:
	EC: G06F17/30W9C	IPC: G06F12/00
	Publication info: US2003061451 - 2003-03-27	

10Method and system for selectively caching web elements
Inventor: BEYDA WILLIAM J (US)Applicant:
IPC: G06F17/30W9CEC:G06F17/30W9CIPC: G06F12/00Publication info:US2003061449 - 2003-03-27

31 re web	JLT LIST sults found in the Worldwide database for: and caching and method in the title Ilts are sorted by date of upload in database)	
11	Method and system for caching secure web co Inventor: CHAWLA RAJEEV (US); TSIRIGOTIS PANAGIOTIS (US); (+1) EC: H04L29/06C6B; H04L29/06C6G	ntent Applicant: IPC: H04L9/00; G06F17/60
	Publication info: US2002016911 - 2002-02-07	
12	Method of caching web resources Inventor: ROSENZWEIG MICHAEL D (US)	Applicant:
	EC: G06F17/30W9C	IPC: G06F12/00
	Publication info: US2001023476 - 2001-09-20	
13	Cooperative adaptive web caching routing and data broadcasting method	-
	Inventor: HUDSON MICHEL BARTLETT SCOTT (US)	Applicant: AEROSPACE CORP (US)
	EC: G06F17/30W9C; H04L12/56C1; (+1)	IPC: G06F15/173
	Publication info: US2002143984 - 2002-10-03	
14	Cooperative adaptive web caching routing and data requesting method Inventor: MICHEL BARTLETT SCOTT HUDSON (US)	forwarding web content Applicant: AEROSPACE CORP (US)
	EC: G06F17/30W9C; H04L29/12A	IPC: G06F15/16
	Publication info: US2002133570 - 2002-09-19	
15		
	CHRISTOPHER (US) EC: G06F17/30W9C; H04L29/06	IPC: G06F15/16
	Publication info: US2002112032 - 2002-08-15	
16	DYNAMIC WEB PAGE CACHING SYSTEM AND Inventor: CORCORAN MICHAEL (CA)	METHOD Applicant: SPIDERSOFTWARE INC (CA)
	EC: G06F17/30W9C	IPC: G06F17/30
	Publication info: CA2415641 - 2002-01-17	
17	METHOD AND CONSTITUTION FOR DELAY-CO HASHING FOR COMMON WEB CACHING	RRESPONDING
•	Inventor: WU KUN-LUNG; PHILIP SHIIRAN YU	Applicant: IBM
	EC: G06F17/30W9C	IPC: G06F12/00; G06F13/00
	Publication info: JP2001273186 - 2001-10-05	
18	METHOD FOR CACHING WEB CONTENTS Inventor: HIDAKA SHINJI; WATANABE MOTOMU; (+1)	Applicant: CASIO COMPUTER CO LTD
	EC:	IPC: G06F12/00; G06F13/00; (+2)
	Publication info: JP2002215448 - 2002-08-02	
19	Intelligent device having background caching of digital television system and method of same Inventor: BROTZ MARIO UDO (US); WANG DAVID S	of web pages within a Applicant: SONY CORP AND SONY ELECTRONICS (US)
	(US) EC:	IPC: G06F7/00
	Publication info: US2001007105 - 2001-07-05	
20	WEB SERVER SYSTEM, ADVERTISEMENT SER METHOD FOR CACHING ADVERTISEMENT FIL	

Inventor: JANG HUN (KR); KIM GEON TAE (KR) EC: Applicant: SEROME TECHNOLOGY INC (KR) IPC: G06F15/00

Publication info: KR2002038137 - 2002-05-23

31 res web a	LT LIST ults found in the Worldwide database for: and caching and method in the title ts are sorted by date of upload in database)		
21	SERVER HAVING NETWORK AUTOMATIC SETTING, WEB CACHING, AND FILE SHARING FUNCTIONS USING NAT SYSTEM AND METHOD FOR PERFORMING FUNCTIONS		
	Inventor: HEO NO JAE (KR)	Applicant: HEO NO JAE (KR)	
	EC:	IPC: H04L12/28	
	Publication info: KR2002025469 - 2002-04-04		
22	System and method for intelligent caching and generated and static web content Inventor: LI WEN SYAN (US); CANDAN KASIM SELOUK		
	(US); (+1)		
	EC: G06F17/30W9C	IPC: G06F17/30; G06F7/00	
	Publication info: US6591266 - 2003-07-08		
23	Method for collaborative transformation and ca a proxy network	ching of web objects in	
	Inventor: BEURKET JOHN BENJAMIN (US); MALKIN PETER KENNETH (US); (+3)	Applicant: IBM (US)	
	<pre>EC: G06F17/30W9C; G06F17/30W9V; (+1)</pre>	IPC: G06F15/173; G06F15/16	
	Publication info: US6360273 - 2002-03-19		
24	Method and apparatus for caching web-based i Inventor: CHEN KUO-WEI H (US); LIN CHUENG-HSIEN (US); (+1)		
	EC: G06F12/08B12; G06F17/30W9C	IPC: G06F12/08	
	Publication info: US6389510 - 2002-05-14		
25	Method for improving the performance of a web most popular (real-time) information Inventor: NUSBICKEL WENDI L (US)	o service by caching the	
	EC: G06F17/30W9C		
	· · · · · , · · · · ·	IPC: G06F17/30	
	Publication info: US6633874 - 2003-10-14	· · · ·	
26	Intelligent device having background caching o digital television broadcast signal and method of		
	Inventor: BROTZ MARIO UDO (US); WANG DAVID S (US) EC:		
	Publication info: US6374404 - 2002-04-16	IPC: 10410/445, 10417/10, (+5)	
27	Method and apparatus for selective caching and pages for web browsers	a cleaning of history	
	Inventor: HIMMEL MARIA AZUA (US); RODRIGUEZ HERMAN (US)	Applicant: IBM (US)	
	EC: G06F17/30W9C	IPC: G06F15/167	
	Publication info: US6453342 - 2002-09-17		
28	OPTIMUM CACHING MANAGING METHOD OF V SYSTEM	VEB CLIENT AND ITS	
	Inventor: SASA HIDEAKI	Applicant: NIPPON ELECTRIC CO	
	EC:	IPC: G06F12/00; H04L12/54; (+2)	
	Publication info: JP2000029765 - 2000-01-28		
29	Method for collaborative transformation and ca	ching of web objects in	
	a proxy network Inventor: BEURKET JOHN BENJAMIN (US); MALKIN	Applicant: IBM (US)	

PETER KENNETH (US); (+3) EC: G06F17/30W9C; G06F17/30W9V; (+1)

IPC: G06F15/173

Publication info: US6122666 - 2000-09-19

30	30 Method for optimizing off-peak caching of web data	
	Inventor: THOMPSON JOSEPH RAYMOND (US);	Applicant: IBM (US)
	BERSTIS VIKTORS (US)	
	EC: G06F17/30W9C; H04L12/56D; (+1)	IPC: G06F15/173
	Publication info: TW499640 - 2002-08-21	

RESULT LIST

31 results found in the Worldwide database for: **web and caching and method** in the title (Results are sorted by date of upload in database)

31 Method and system for web site construction using HTML fragment

caching

Inventor: LAFER JOHN P (US); FAUST JOHN E (US);	Applicant: MEDIAONE GROUP INC (US)
(+2)	
EC: G06F17/30W7S	IPC: G06F17/30
Publication info: US6192382 - 2001-02-20	

DECLU T L TET

4 resi web	It LIST and caching in the Worldwide database for: and caching in the title AND michael as the applicant Its are sorted by date of upload in database)	
1	Dynamic web page caching system and metho Inventor: CORCORAN MICHAEL (CA)	d Applicant:
	EC: G06F17/30W9C	IPC: G06F15/16
	Publication info: US2003120752 - 2003-06-26	
2	Method of caching web resources Inventor: ROSENZWEIG MICHAEL D (US)	Applicant:
	EC: G06F17/30W9C	IPC: G06F12/00
	Publication info: US2001023476 - 2001-09-20	
3	Distributed execution coordination for web cac content	hing with dynamic
	Inventor: COPELAND GEORGE P (US); CONNER MICHAEL H (US); (+1)	Applicant:
	EC: G06F17/30W9C	IPC: G06F13/00
	Publication info: US2002147887 - 2002-10-10	
4	CACHING WEB RESOURCES USING VARIED R STTRATEGIES AND STORAGE	EPLACEMENT
	Inventor: ROSENZWEIG MICHAEL D (US)	Applicant:
	EC: G06F17/30W9C	IPC: G06F12/08
	Publication info: US2001034814 - 2001-10-25	

RESULT LIST 0 results found in the Worldwide database for: **web and caching and url** in the title (Results are sorted by date of upload in database)

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_	run Iyengar ternet Technology (TOIT), Volume 2 Issue 3	
	onal Information: <u>full citation, abstract, references, citings, index terms</u>	
Server-driven consistency protocols can reduce read latency and improve data freshness for a given network and server overhead, compared to the traditional consistency protocols that rely on client polling. Server-driven consistency protocols appear particularly attractive for large-scale dynamic Web workloads because dynamically generated data can change rapidly and unpredictably. However, there have been few reports on engineering server-driven consistency for such workloads. This article repo Keywords : Cache coherence, cache consistency, dynamic content, lease, scalability, volume		
approach and implementation Anindya Datta, Kaushik Dutta, Helen T June 2004 ACM Transactions on Data	ically generated content on the world wide web: An momas, Debra Vandermeer, Krithi Ramamritham abase Systems (TODS), Volume 29 Issue 2 conal Information: <u>full citation, abstract, references, index terms</u>	
As Internet traffic continues to grow and websites become increasingly complex, performance and scalability are major issues for websites. Websites are increasingly relying on dynamic content generation applications to provide website visitors with dynamic, interactive, and personalized experiences. However, dynamic content generation comes at a costeach request requires computation as well as communication across multiple components.To address these issues, various dynamic content caching ap		
Keywords : Edge caching, caching of implementation, proxy caching, wor	dynamically generated content, fragment caching, Id wide web	
	endering ference on Visualization '99: celebrating ten years onal Information: <u>full citation, abstract, references, citings, index terms</u>	

http://portal.acm.org/results.cfm?CFID=51358114&CFTOKEN=66024062&adv=1&COLL=... 8/1/05

We describe a framework for time-critical rendering of graphics scenes composed of a large number of objects having complex geometric descriptions. Our technique relies upon a scene description in which objects are represented as multiresolution meshes. We perform a constrained optimization at each frame to choose the resolution of each potentially visible object that generates the best quality image while meeting timing constraints. The technique provides smooth level-of-detail control and ...

Keywords: adaptive rendering, level of detail, multiresolution modeling, time-critical graphics

⁴ <u>Collaborative Web caching based on proxy affinities</u> Jiong Yang, Wei Wang, Richard Muntz

June 2000 ACM SIGMETRICS Performance Evaluation Review, Proceedings of the 2000 ACM SIGMETRICS international conference on Measurement and modeling of computer systems, Volume 28 Issue 1

Full text available: pdf(1.10 MB) Additional Information: full citation, abstract, references, index terms

With the exponential growth of hosts and traffic workloads on the Internet, collaborative web caching has been recognized as an efficient solution to alleviate web page server bottlenecks and reduce traffic. However, cache discovery, i.e., locating where a page is cached, is a challenging problem, especially in the fast growing World Wide Web environment, where the number of participating proxies can be very large. In this paper, we propose a new scheme which employs proxy affinities to mai ...

⁵ Papers: A survey of web caching schemes for the Internet

Jia Wang

1

October 1999 ACM SIGCOMM Computer Communication Review, Volume 29 Issue 5

Full text available: pdf(1.15 MB) Additional Information: full citation, abstract, references, citings

The World Wide Web can be considered as a large distributed information system that provides access to shared data objects. As one of the most popular applications currently running on the Internet, the World Wide Web is of an exponential growth in size, which results in network congestion and server overloading. Web caching has been recognized as one of the effective schemes to alleviate the service bottleneck and reduce the network traffic, thereby minimize the user access latency. In this pap ...

⁶ Potential benefits of delta encoding and data compression for HTTP

Jeffrey C. Mogul, Fred Douglis, Anja Feldmann, Balachander Krishnamurthy

October 1997 ACM SIGCOMM Computer Communication Review, Proceedings of the ACM SIGCOMM '97 conference on Applications, technologies, architectures, and protocols for computer communication, Volume 27 Issue 4

Full text available: pdf(2.00 MB) Additional Information: full citation, abstract, references, citings, index terms

Caching in the World Wide Web currently follows a naive model, which assumes that resources are referenced many times between changes. The model also provides no way to update a cache entry if a resource does change, except by transferring the resource's entire new value. Several previous papers have proposed updating cache entries by transferring only the differences, or "delta," between the cached entry and the current value. In this paper, we make use of dynamic traces of the full contents of ...

7 Industrial sessions: beyond relational tables: Coordinating backup/recovery and data consistency between database and file systems

Suparna Bhattacharya, C. Mohan, Karen W. Brannon, Inderpal Narang, Hui-I Hsiao, Mahadevan Subramanian

June 2002 Proceedings of the 2002 ACM SIGMOD international conference on

Management of data

f

Full text available: pdf(1.44 MB) Additional Information: full citation, abstract, references, index terms

Managing a combined store consisting of database data and file data in a robust and consistent manner is a challenge for database systems and content management systems. In such a hybrid system, images, videos, engineering drawings, etc. are stored as files on a file server while meta-data referencing/indexing such files is created and stored in a relational database to take advantage of efficient search. In this paper we describe solutions for two potentially problematic aspects of such a data ...

Keywords: DB2, content management, database backup, database recovery, datalinks

⁸ Engineering server-driven consistency for large scale dynamic Web services Jian Yin, Lorenzo Alvisi, Mike Dahlin, Arun Iyengar April 2001 Proceedings of the 10th international conference on World Wide Web Full text available: The pdf(291.44 KB) Additional Information: full citation, references, citings, index terms

Keywords: Web cache consistency, dynamic content, performance, scalability, volume lease

⁹ The design and implementation of a next generation name service for the internet Venuqopalan Ramasubramanian, Emin Gün Sirer

August 2004 ACM SIGCOMM Computer Communication Review , Proceedings of the 2004 conference on Applications, technologies, architectures, and protocols for computer communications, Volume 34 Issue 4

Full text available: Tpdf(472.93 KB) Additional Information: full citation, abstract, references, citings, index terms

Name services are critical for mapping logical resource names to physical resources in largescale distributed systems. The Domain Name System (DNS) used on the Internet, however, is slow, vulnerable to denial of service attacks, and does not support fast updates. These problems stem fundamentally from the structure of the legacy DNS. This paper describes the design and implementation of the Cooperative Domain Name System (CoDoNS), a novel name service, which provides high lookup performance thro ...

Keywords: DNS, peer to peer, proactive caching

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